

logo

NTDB id 1251 GCO85 RS07725 WP 011946523.1	MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKNKILSAEQIALTAAGNFQVPMILDINCLDVSTI	80
NTDB id 1177 A1552VC RS01165 WP 000422572.1	.....	0
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	0
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	0
NTDB id 101855 AABK04 RS03855 WP 001055620.1	.....	0
NTDB id 1307 DR RS10055 WP 010888596.1	.....	0
NTDB id 1086 NMV RS00245 WP 002218487.1	.....	0
NTDB id 1116 NGFG RS10615 WP 003690200.1	.....	0
NTDB id 1185 GTF74 RS11940 WP 000350195.1	.....	0
NTDB id 1176 A1552VC RS01160 WP 000350195.1	.....	0
NTDB id 1283 ACE17W RS02630 WP 010947729.1	.....	0
NTDB id 1259 GCO85 RS10305 WP 010947729.1	.....	0
NTDB id 1202 PSJM300 01600 AFN76400.1	.....	0
NTDB id 1194 PAKAF RS01995 WP 003084552.1	.....	0
NTDB id 1020 ACIAD RS04210 WP 011182164.1	.....	0
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.....	0
NTDB id 1040 HON27 RS13360 WP 000355489.1	.....	0
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.....	0
consensus		

logo

NTDB id 1251 GCO85 RS07725 WP 011946523.1	PVNLVNEKLIKRRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTGLNTHAIVVETDKLSALIDNLLTAKESQGLSEYVE	160
NTDB id 1177 A1552VC RS01165 WP 000422572.1	.....	0
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	0
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	0
NTDB id 101855 AABK04 RS03855 WP 001055620.1	.....	0
NTDB id 1307 DR RS10055 WP 010888596.1	.....	0
NTDB id 1086 NMV RS00245 WP 002218487.1	.....	0
NTDB id 1116 NGFG RS10615 WP 003690200.1	.....	0
NTDB id 1185 GTF74 RS11940 WP 000350195.1	.....	0
NTDB id 1176 A1552VC RS01160 WP 000350195.1	.....	0
NTDB id 1283 ACE17W RS02630 WP 010947729.1	.....	0
NTDB id 1259 GCO85 RS10305 WP 010947729.1	.....	0
NTDB id 1202 PSJM300 01600 AFN76400.1	.....	0
NTDB id 1194 PAKAF RS01995 WP 003084552.1	.....	0
NTDB id 1020 ACIAD RS04210 WP 011182164.1	.....	0
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.....	0
NTDB id 1040 HON27 RS13360 WP 000355489.1	.....	0
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.....	0
consensus		

logo

NTDB id 1251	GC085 RS07725 WP 011946523.1	DSGDLEGLEISADDEDQDIDTATSVTDDAPIVKFV	NDITELLAFSVKNGASDLHL	SA	240
NTDB id 1177	A1552VC RS01165 WP 000422572.1	.....	MELNQYLDGMLTHKASDLYITV...	GAPILYRVDCGLRAQGEAL.SVA	44
NTDB id 1203	PSJM300 01605 AFN76401.1	.....	MEFEKLLRLMVEKGCSDLFITA...	GVPPSMKVNGKILPVNKTPTMSPE	45
NTDB id 1019	ACIAD RS04205 WP 004922051.1	.....	MDFNDDLNLMAKHKASDLFITA...	CVEPSLKINGEITPVSKTKLDGD	45
NTDB id 101855	AABK04 RS03855 WP 001055620.1	.....	MNMEETVALSVKHNVSDLHLCS...	AWPARWRIRGLMEA...APFDAP	42
NTDB id 1307	DR RS10055 WP 010888596.1	.....	MTSGIDITDILRLAADKGASDILAA...	CLPPQFKLSGYDAQGFEPLSAS	49
NTDB id 1086	NMV RS00245 WP 002218487.1	.....	MQITDLLAFGAKNKASDLHLSS...	GISPMIRVHGDMMRRINLPMSAE	45
NTDB id 1116	NGFG RS10615 WP 003690200.1	.....	MQITDLLAFGAKNKASDLHLSS...	GISPMIRVHGDMMRRINLPMSAE	45
NTDB id 1185	GTF74 RS11940 WP 000350195.1	.....	MDIAELLEFSVKHNASDLHLSA...	GVPPMVRIDGEVRKIGVPAFTHS	45
NTDB id 1176	A1552VC RS01160 WP 000350195.1	.....	MDIAELLEFSVKHNASDLHLSA...	GVPPMVRIDGEVRKIGVPAFTHS	45
NTDB id 1283	ACE17W RS02630 WP 010947729.1	.....	MDIAELLAFSVKNKSSDLHLISA...	GVPPMIRVDCGLRKINLPPLEHK	45
NTDB id 1259	GC085 RS10305 WP 010947729.1	.....	MDIAELLAFSVKNKSSDLHLISA...	GVPPMIRVDCGLRKINLPPLEHK	45
NTDB id 1202	PSJM300 01600 AFN76400.1	.....	MDITELLAFSAKKGASDLHLSS...	GVPPMIRVDCGVRRINLPAMDHK	45
NTDB id 1194	PAKAF RS01995 WP 003084552.1	.....	MDITELLAFSAKKGASDLHLSA...	GVPPMIRVDCGVRRINLPPLEHK	45
NTDB id 1020	ACIAD RS04210 WP 011182164.1	.....	MDITELLAFSVQNRASDLHLSA...	GVPPMIRVDCGEVRRINLPAMDHS	45
NTDB id 1060	ABD1 RS04380 WP 000355489.1	.....	MDITELLAFSVKNGASDLHLSA...	GVPPMIRVDCGEVRRINLPALCHK	45
NTDB id 1040	HON27 RS13360 WP 000355489.1	.....	MDITELLAFSVKNGASDLHLSA...	GVPPMIRVDCGEVRRINLPALCHK	45
NTDB id 1081	FDQ49 RS05335 WP 006581387.1	.....	MDITELLAFSVKNGASDLHLSA...	GVPPMIRVDCGEVRRINLPALCHK	45
consensus			*** **	*****!!*****	*****!*****

logo

NTDB id 1251	GC085 RS07725 WP 011946523.1	SRITARIKVMNSLDISERRIPQDGGFKMKISKSR.AIDFRVSTCPTSA	GEKVVMRVLD	SGAAKLG	TEALGFNPV	QRTNEL	319	
NTDB id 1177	A1552VC RS01165 WP 000422572.1	DVTALHAMDARQAE..FKQTR	ANFAVVRD..SCRFRVSAFFQRELP	GAVIRRIET	TRIP..TFEELKLPEV....LQ		114	
NTDB id 1203	PSJM300 01605 AFN76401.1	MTRETIVHGMNEQQRRRE..FTENHECNFAISARG.	ICRFRVSAFYQRNLACGMVLRRIET	INIP..TIEDLKLDPV....LK			116	
NTDB id 1019	ACIAD RS04205 WP 004922051.1	MIAQLIDSITTQKQRQE..FIETHECNFAILNREKNERFRVSAFQ	QRDMPCGMVIRRIET	KIP..SPDDLHLPPI....LK			117	
NTDB id 101855	AABK04 RS03855 WP 001055620.1	DVEELLREWLDDQRAI..LLENGQLDFAVSLAE.NQRIRGS	AFARQQGISLALRLPSHCP..QLEQLGAPT	V....LP			113	
NTDB id 1307	DR RS10055 WP 010888596.1	DTRKLMYSMMNERQQHI..FEEKRELD	FSFALGD..KARFRVNAFMQRGNVCGVMRLIPT	TVR..TIAEMGLPQT....VI			120	
NTDB id 1086	NMV RS00245 WP 002218487.1	EVGNMVTSMNDHQRKI..YQQNLEVD	DFSFE	LPN..VARFRVNAFNI	GRGPA	AVFRTIPSTVL..SLEELKAPSI....FQ	116	
NTDB id 1116	NGFG RS10615 WP 003690200.1	EVGNMVTSMNDHQRKI..YQQNLEVD	DFSFE	LPN..VARFRVNAFNI	TGRGPA	AVFRTIPSTVL..SLEELKAPSI....FQ	116	
NTDB id 1185	GTF74 RS11940 WP 000350195.1	DVHRLIFEIMNDAQRSE..YEEKLEVD	DFSFE	LPN..VGRFRVNAFHQ	ARGCS	AVFRTIPTV	IP..TLEQLDAPEI....FS	116
NTDB id 1176	A1552VC RS01160 WP 000350195.1	DVHRLIFEIMNDAQRSE..YEEKLEVD	DFSFE	LPN..VGRFRVNAFHQ	ARGCS	AVFRTIPTV	IP..TLEQLDAPEI....FS	116
NTDB id 1283	ACE17W RS02630 WP 010947729.1	DVIKIIYDIMNDRQRKE..YEEFFET	DFSFE	IAN..LARFRVNAFNQ	SRGAA	AVFRTIPSEIL..SMEDLGLPPI....FK	116	
NTDB id 1259	GC085 RS10305 WP 010947729.1	DVIKIIYDIMNDRQRKE..YEEFFET	DFSFE	IAN..LARFRVNAFNQ	SRGAA	AVFRTIPSEIL..SMEDLGLPPI....FK	116	
NTDB id 1202	PSJM300 01600 AFN76400.1	QVHALIYDIMNDKQRKD..FEEFLET	DFSFE	VPN..VARFRVNAFNQ	NRGAG	AVFRTIPSKVL..TMEDLCMGEV....FR	116	
NTDB id 1194	PAKAF RS01995 WP 003084552.1	QVHALIYDIMNDKQRKD..FEEFLET	DFSFE	VPN..VARFRVNAFNQ	NRGAG	AVFRTIPSKVL..TMEDLCMGEV....FR	116	
NTDB id 1020	ACIAD RS04210 WP 011182164.1	EVHNLIIYDIMNDKQRD..YEEKLET	DFSFE	VPN..LARFRVNV	FNQNRGAG	AVFRTIPSKVL..TLEELGLGKI....FR	116	
NTDB id 1060	ABD1 RS04380 WP 000355489.1	DVHRLVYDIMNDKQRD..YEEKLET	DFSFE	VPN..VARFRVNAFNQ	NRGAG	AVFRTIPSKVL..TMEDLGLGQI....FK	116	
NTDB id 1040	HON27 RS13360 WP 000355489.1	DVHRLVYDIMNDKQRD..YEEKLET	DFSFE	VPN..VARFRVNAFNQ	NRGAG	AVFRTIPSKVL..TMEDLGLGQI....FK	116	
NTDB id 1081	FDQ49 RS05335 WP 006581387.1	DVHRLVYDIMNDKQRD..YEEKLET	DFSFE	VPN..VARFRVNAFNQ	NRGAG	AVFRTIPSKVL..TMEDLGLGQI....FK	116	
consensus		**	*****	***	*****!!*****	*****!*****	*****	

```

NTDB id 1251 GCO85 RS07725 WP 011946523.1
NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 101855 AABK04 RS03855 WP 001055620.1
NTDB id 1307 DR RS10055 WP 010888596.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1185 GTF74 RS11940 WP 000350195.1
NTDB id 1176 A1552VC RS01160 WP 000350195.1
NTDB id 1283 ACE17W RS02630 WP 010947729.1
NTDB id 1259 GCO85 RS10305 WP 010947729.1
NTDB id 1202 PSJM300 01600 AFN76400.1
NTDB id 1194 PAKAF RS01995 WP 003084552.1
NTDB id 1020 ACIAD RS04210 WP 011182164.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HON27 RS13360 WP 000355489.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
consensus

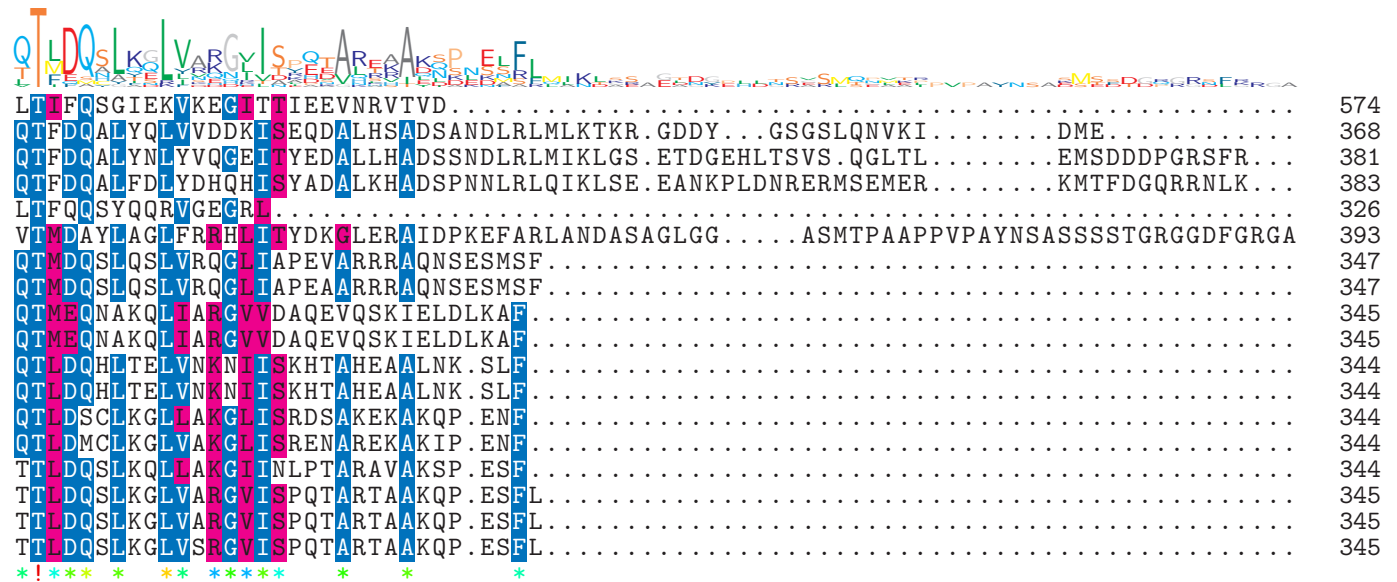
```



```

NTDB id 1251 GCO85 RS07725 WP 011946523.1
NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 101855 AABK04 RS03855 WP 001055620.1
NTDB id 1307 DR RS10055 WP 010888596.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1185 GTF74 RS11940 WP 000350195.1
NTDB id 1176 A1552VC RS01160 WP 000350195.1
NTDB id 1283 ACE17W RS02630 WP 010947729.1
NTDB id 1259 GCO85 RS10305 WP 010947729.1
NTDB id 1202 PSJM300 01600 AFN76400.1
NTDB id 1194 PAKAF RS01995 WP 003084552.1
NTDB id 1020 ACIAD RS04210 WP 011182164.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HON27 RS13360 WP 000355489.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
consensus

```



logo

NTDB id 1251	GCO85	RS07725	WP 011946523.1	.....	574
NTDB id 1177	A1552VC	RS01165	WP 000422572.1	.....	368
NTDB id 1203	PSJM300	01605	AFN76401.1	.....	381
NTDB id 1019	ACIAD	RS04205	WP 004922051.1	.....	383
NTDB id 101855	AABK04	RS03855	WP 001055620.1	.....	326
NTDB id 1307	DR	RS10055	WP 010888596.1	AAPATPAAPAAGRSEPGRAGGFGRR	418
NTDB id 1086	NMV	RS00245	WP 002218487.1	.....	347
NTDB id 1116	NGFG	RS10615	WP 003690200.1	.....	347
NTDB id 1185	GTF74	RS11940	WP 000350195.1	.....	345
NTDB id 1176	A1552VC	RS01160	WP 000350195.1	.....	345
NTDB id 1283	ACE17W	RS02630	WP 010947729.1	.....	344
NTDB id 1259	GCO85	RS10305	WP 010947729.1	.....	344
NTDB id 1202	PSJM300	01600	AFN76400.1	.....	344
NTDB id 1194	PAKAF	RS01995	WP 003084552.1	.....	344
NTDB id 1020	ACIAD	RS04210	WP 011182164.1	.....	344
NTDB id 1060	ABD1	RS04380	WP 000355489.1	.....	345
NTDB id 1040	HON27	RS13360	WP 000355489.1	.....	345
NTDB id 1081	FDQ49	RS05335	WP 006581387.1	.....	345
consensus					

-  non conserved
-  similar
-  ≥ 50% conserved